

MiSeq Software Release Notes

MiSeq Control Software v2.6

RTA v1.18.54

MiSeq Reporter v2.6

BaseSpace Broker v2.5.3

MiSeq Recipes v3.1.0

For MiSeq Systems

Revision History

Revision	Date	Description of Change
00	June 22, 2015	Initial version
01	Sept 8, 2015	Release version
02	Oct 21, 2015	Product name update
03	May 27, 2016	Version updates
04	04/OCT/2016	MiSeq Reporter version updates

Introduction

These Release Notes detail the key changes to software components for the Illumina MiSeq Software between the specific versions listed in the table.

Software Application	Prior Version	New Version
MiSeq Control Software	2.6.2	No Change
MiSeq Reporter	2.6.2	2.6.3
RTA	1.18.54	No Change
BaseSpace Broker	2.5	No Change
MiSeq Recipes	3.1.0	No Change

This release is required for TruSight Tumor 15 Workflow users. For all other users, this release is optional, but highly recommended. Review these changes before updating your software.

If you are upgrading from a version earlier than v2.6.2, review the release notes for v2.5 for a list of features and bug fixes introduced in that version.

For more information about the MiSeq System and how to use the software included with it, see the product and support pages at illumina.com:

www.illumina.com/systems/miseq.html

support.illumina.com/sequencing/sequencing_instruments/miseq.html

To update this software suite, your MiSeq must already be running MiSeq versions 2.4, 2.5, 2.6.1, or 2.6.2.

I. MiSeq Control Software (MCS) v2.6.2

- No changes were made to this application in this release.

II. RTA v1.18.54

- No changes were made to this application in this release.

III. MiSeq Reporter v2.6.3

SOFTWARE VERSIONS:

Category	Software	Version
Aligner	BWA	0.7.9a-isis-1.0.0 (or 0.6.1-r104-tpx)

Category	Software	Version
Variant Caller	Starling (Isaac Variant Caller)	2.1.4.1 (Windows)
Variant Caller	GATK	v1.6-23-gf0210b3
Variant Caller	CallSomaticVariants (Somatic Variant Caller)	3.6.2
Other	SAMtools	0.1.19-isis-1.0.1

NEW FEATURES:

- None

DEFECT REPAIRS:

- Updated combined sample results file extension to include ".sample" prior to the original extension for TruSight Tumor 15 Analysis.
- Updated file handling to use new file name conventions for TruSight Tumor 15 Analysis.
- Added invalid characters check for sample names at beginning of analysis for TruSight Tumor 15.

KNOWN ISSUES:

- In some cases where phased SNPs are present in degraded samples, the somatic variant caller may cause an error shown as "System.ArgumentOutOfRangeException" due to the high number of phased SNPs detected. The workaround to this error is to turn off phased SNP calling with the sample sheet setting (Variantcallphasedsnp, false).

IV. BaseSpace Broker v2.5

- No changes were made to this application in this release.

V. MiSeq Recipes v3.1.0

- No changes were made to this application in this release.